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Michael Vannier
NCI – BIP
September 2002

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Welcome to Dermatlas

Dermatology Image Atlas - Johns Hopkins University

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NEW IMAGE NOTIFICATION

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Alopecia Areata / Nail dystrophy

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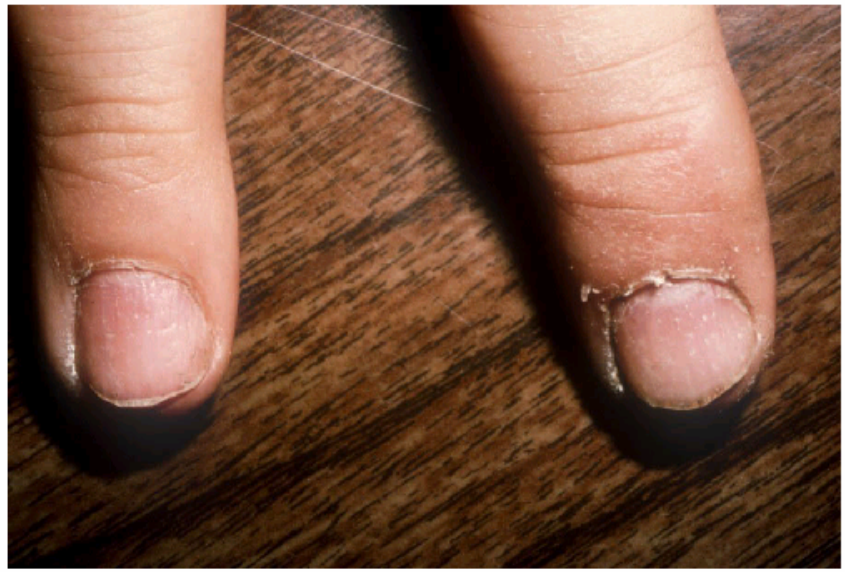

Image Name:	alopeciaareata_1_020727	***File Type:***	jpg
Diagnosis:	ALOPECIA AREATA / NAIL DYSTROPHY NAIL PITTING	***Category:***	nail disorders / hair disorders
Body Site:	nail, hand	***Age:***	12 years
Gender:	Male		
Contributor:	Bernard Cohen, MD	***First Published:***	August 26, 2002
Description:	Scotch plaid pitting of the nails		
Comments:	This 12 year old boy with alopecia areata demonstrates the Scotch plaid pitting typical but not diagnostic of alopecia areata. The relationship between the presence of these nail changes and the prognosis of alopecia areata is unclear. *Related Links:* *Wichita Alopecia Areata Support Group* *National Alopecia Areata Foundation*		

Internet

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Other Resources:	PubMed: alopecia areata MedlinePlus: alopecia areata PubMed: nail dystrophy MedlinePlus: nail dystrophy PubMed: nail pitting MedlinePlus: nail pitting OMIM: alopecia areata DermIS: alopecia areata OMIM: nail dystrophy DermIS: nail dystrophy OMIM: nail pitting DermIS: nail pitting
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PubMed: alopecia areata

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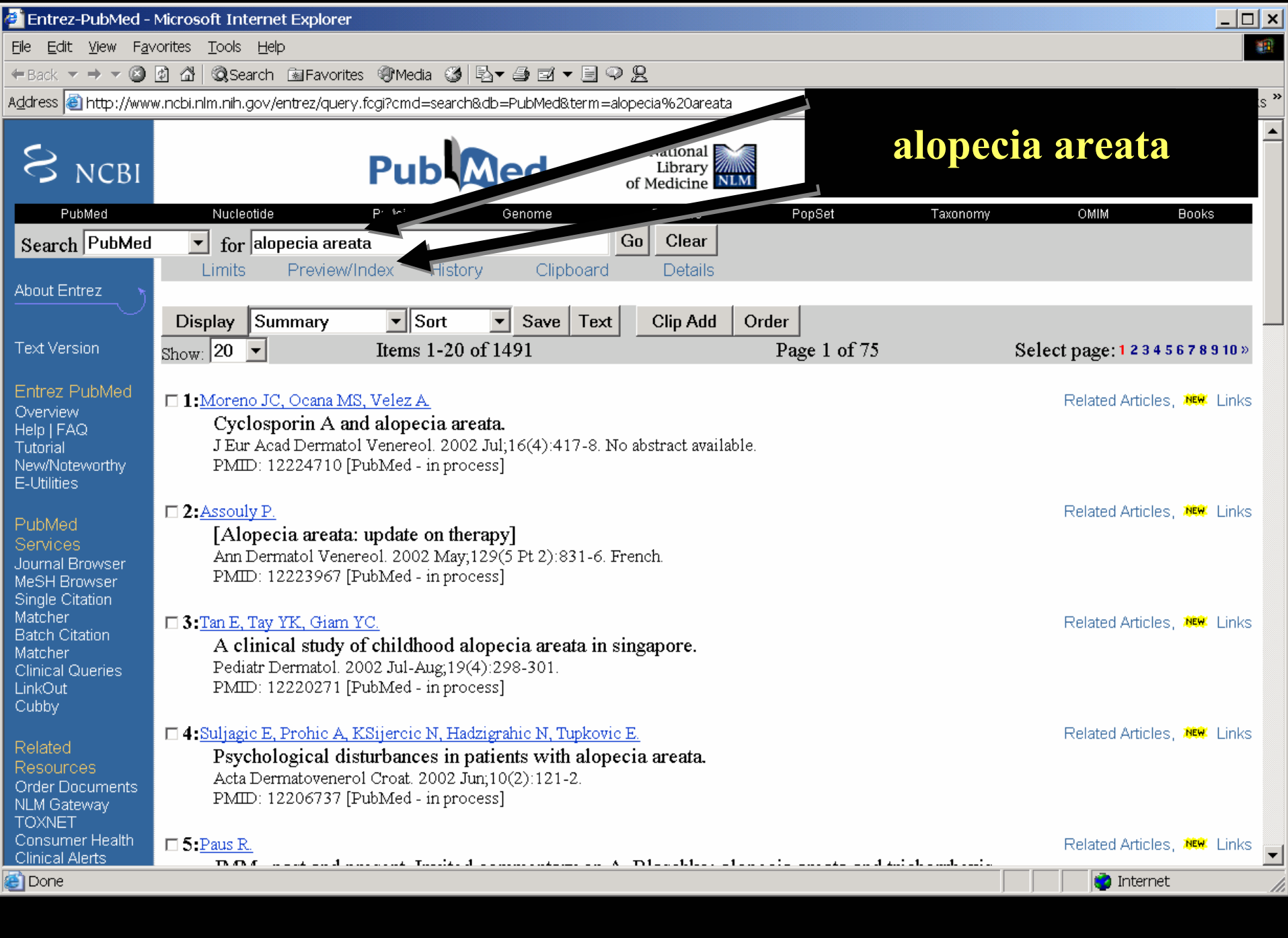
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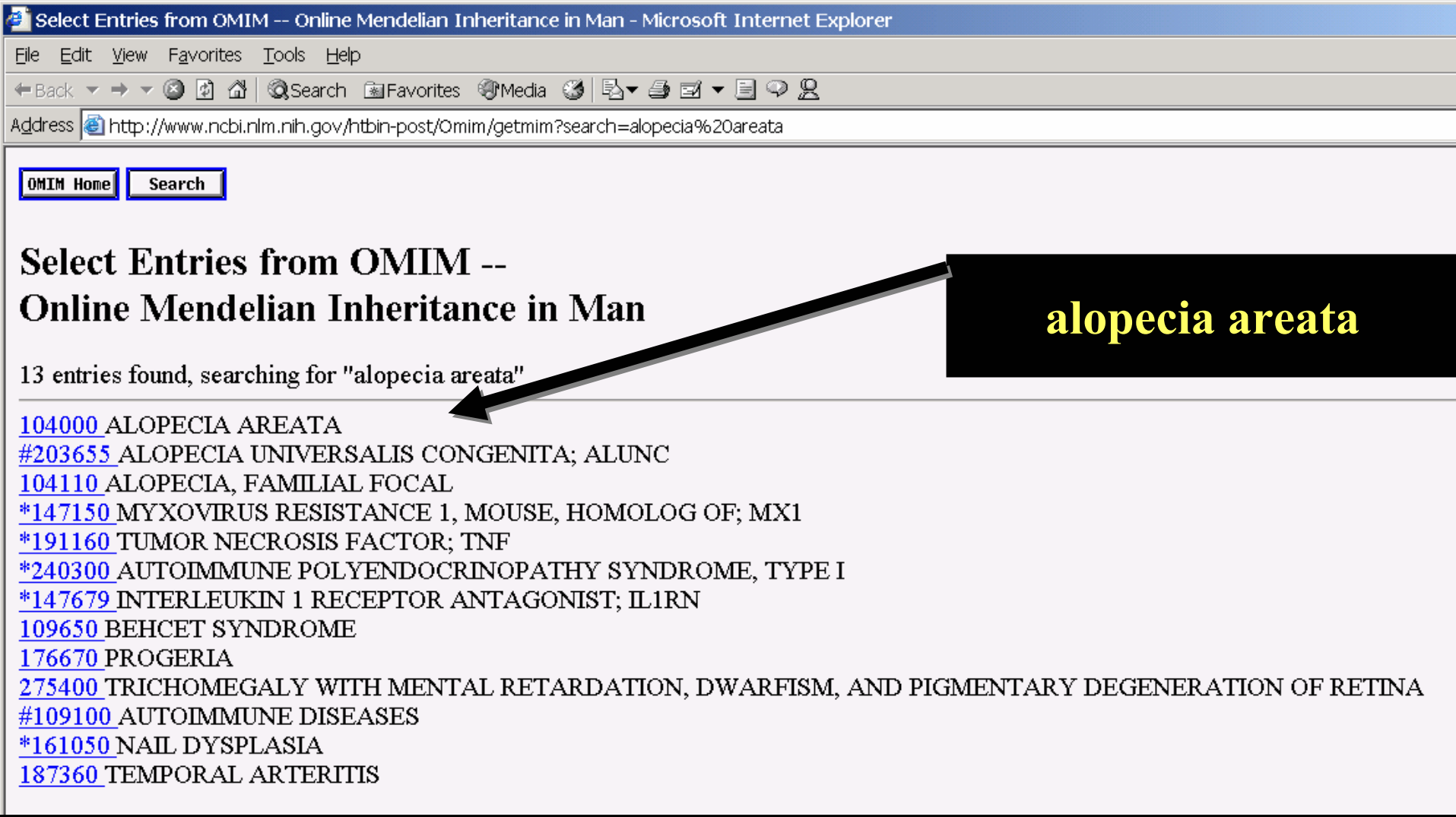
LinkOut
Cubby
Related Resources
Order Documents
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
Display Summary Sort Save Text Clip Add Order
Show: 20
Items 1-20 of 1491
Page 1 of 75
Select page: 1 2 3 4 5 6 7 8 9 10 »
1: Moreno JC, Ocana MS, Velez A.
Cyclosporin A and alopecia areata.
J Eur Acad Dermatol Venereol. 2002 Jul;16(4):417-8. No abstract available.
PMID: 12224710 [PubMed - in process]
Related Articles, NEW Links
2: Assouly P.
[Alopecia areata: update on therapy]
Ann Dermatol Venereol. 2002 May;129(5 Pt 2):831-6. French.
PMID: 12223967 [PubMed - in process]
Related Articles, NEW Links
3: Tan E, Tay YK, Giam YC.
A clinical study of childhood alopecia areata in singapore.
Pediatr Dermatol. 2002 Jul-Aug;19(4):298-301.
PMID: 12220271 [PubMed - in process]
Related Articles, NEW Links
4: Suljagic E, Prohic A, KSijercic N, Hadzigrahic N, Tupkovic E.
Psychological disturbances in patients with alopecia areata.
Acta Dermatovenerol Croat. 2002 Jun;10(2):121-2.
PMID: 12206737 [PubMed - in process]
Related Articles, NEW Links
5: Paus R.
Related Articles, NEW Links
Done
Internet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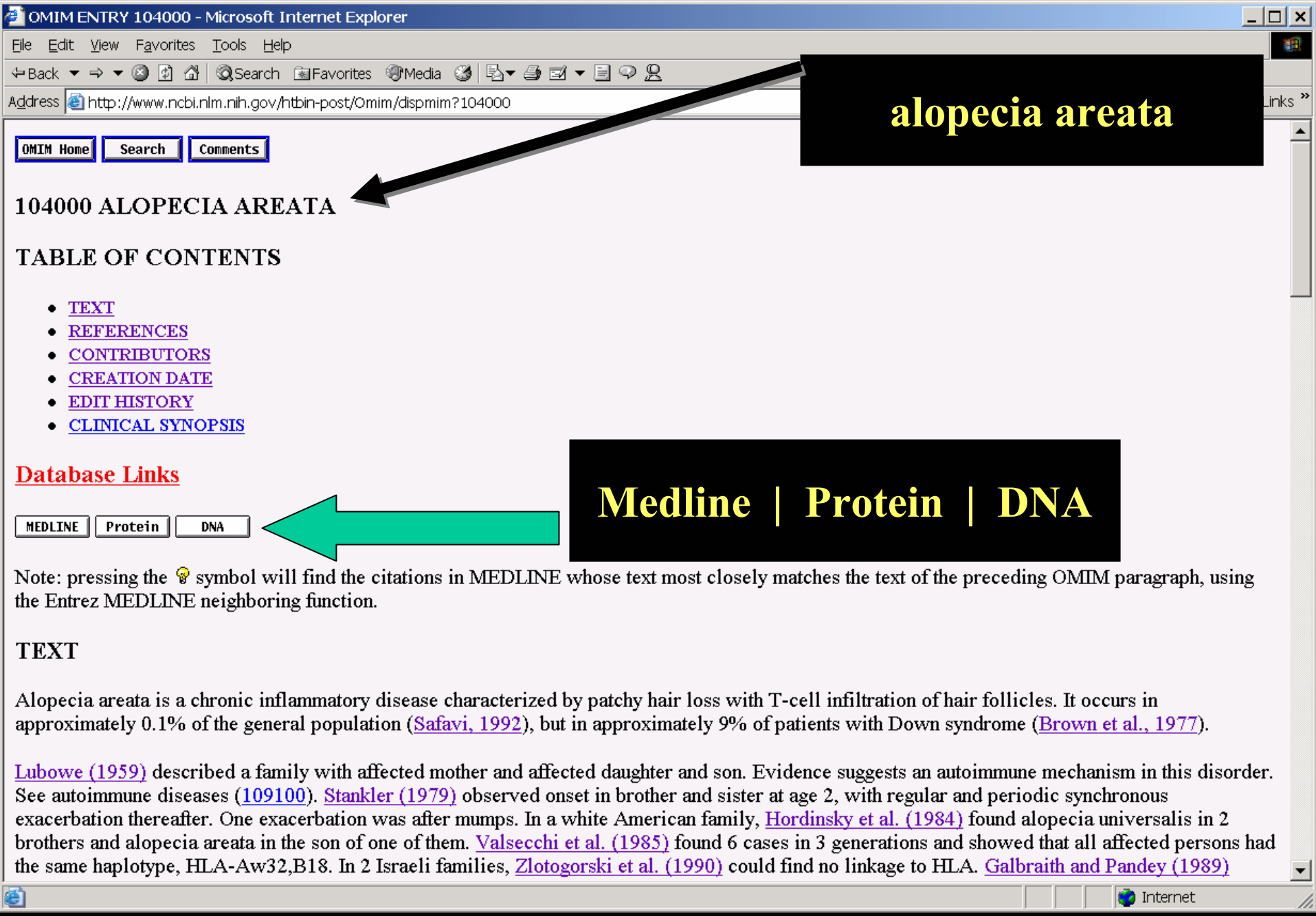
104000 ALOPECIA AREATA
#203655 ALOPECIA UNIVERSALIS CONGENITA; ALUNC
104110 ALOPECIA, FAMILIAL FOCAL
*147150 MYXOVIRUS RESISTANCE 1, MOUSE, HOMOLOG OF; MX1
*191160 TUMOR NECROSIS FACTOR; TNF
*240300 AUTOIMMUNE POLYENDOCRINOPATHY SYNDROME, TYPE I
*147679 INTERLEUKIN 1 RECEPTOR ANTAGONIST; IL1RN
109650 BEHCET SYNDROME
176670 PROGERIA
275400 TRICHOMEGALY WITH MENTAL RETARDATION, DWARFISM, AND PIGMENTARY DEGENERATION OF RETINA
#109100 AUTOIMMUNE DISEASES
*161050 NAIL DYSPLASIA
187360 TEMPORAL ARTERITIS
alopecia areata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104000 ALOPECIA AREATA
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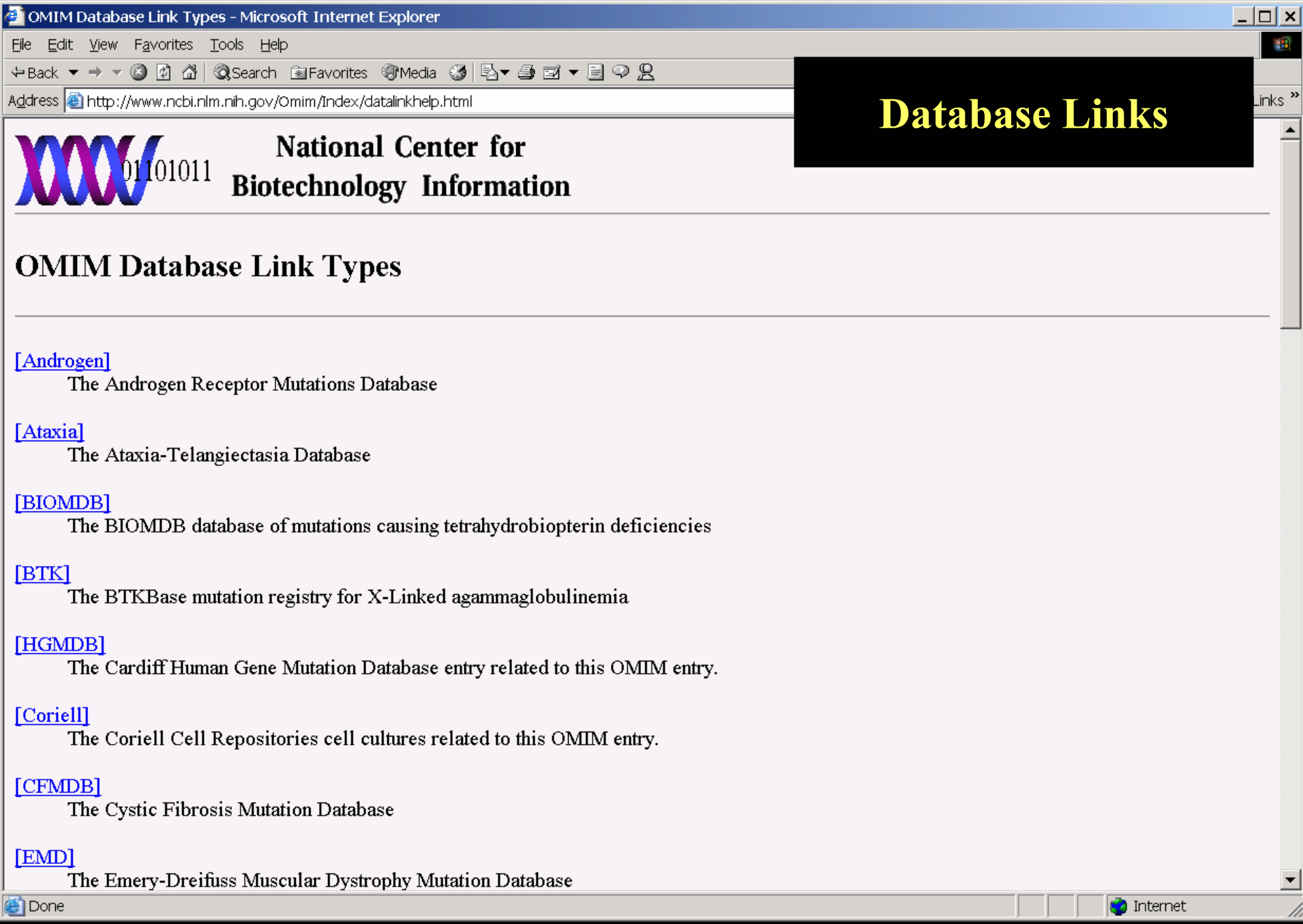
Note: pressing the symbol will find the citations in MEDLINE whose text most closely matches the text of the preceding OMIM paragraph, using the Entrez MEDLINE neighboring function.
TEXT
Alopecia areata is a chronic inflammatory disease characterized by patchy hair loss with T-cell infiltration of hair follicles. It occurs in approximately 0.1% of the general population (Safavi, 1992), but in approximately 9% of patients with Down syndrome (Brown et al., 1977).
Lubowe (1959) described a family with affected mother and affected daughter and son. Evidence suggests an autoimmune mechanism in this disorder. See autoimmune diseases (109100). Stankler (1979) observed onset in brother and sister at age 2, with regular and periodic synchronous exacerbation thereafter. One exacerbation was after mumps. In a white American family, Hordinsky et al. (1984) found alopecia universalis in 2 brothers and alopecia areata in the son of one of them. Valsecchi et al. (1985) found 6 cases in 3 generations and showed that all affected persons had the same haplotype, HLA-Aw32,B18. In 2 Israeli families, Zlotogorski et al. (1990) could find no linkage to HLA. Galbraith and Pandey (1989)
Internet



Database Links

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DermIS: alopecia areata

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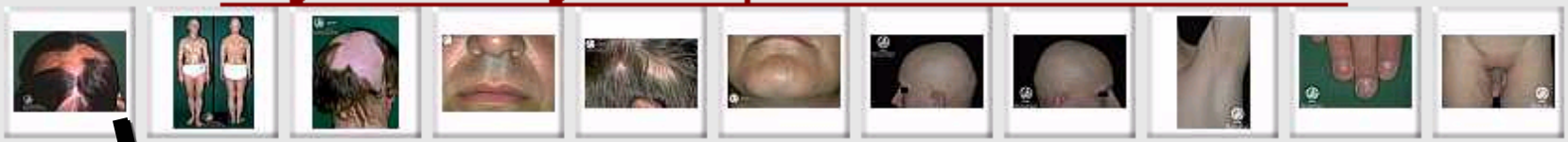
DOIA

HOME | DOIA | PeDOIA | Skincancer | NeurodermIS | ORGS | Hebra Atlas | INFO

DermIS / main menu / DOIA / **Alopecia Areata / images**

info | differential diagnoses | **images** | hyperlinks

images for the diagnosis 'Alopecia Areata'



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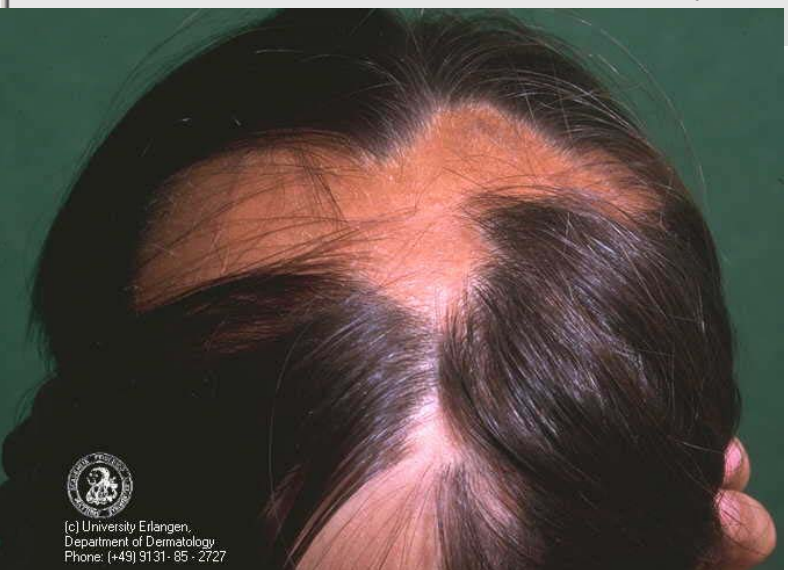
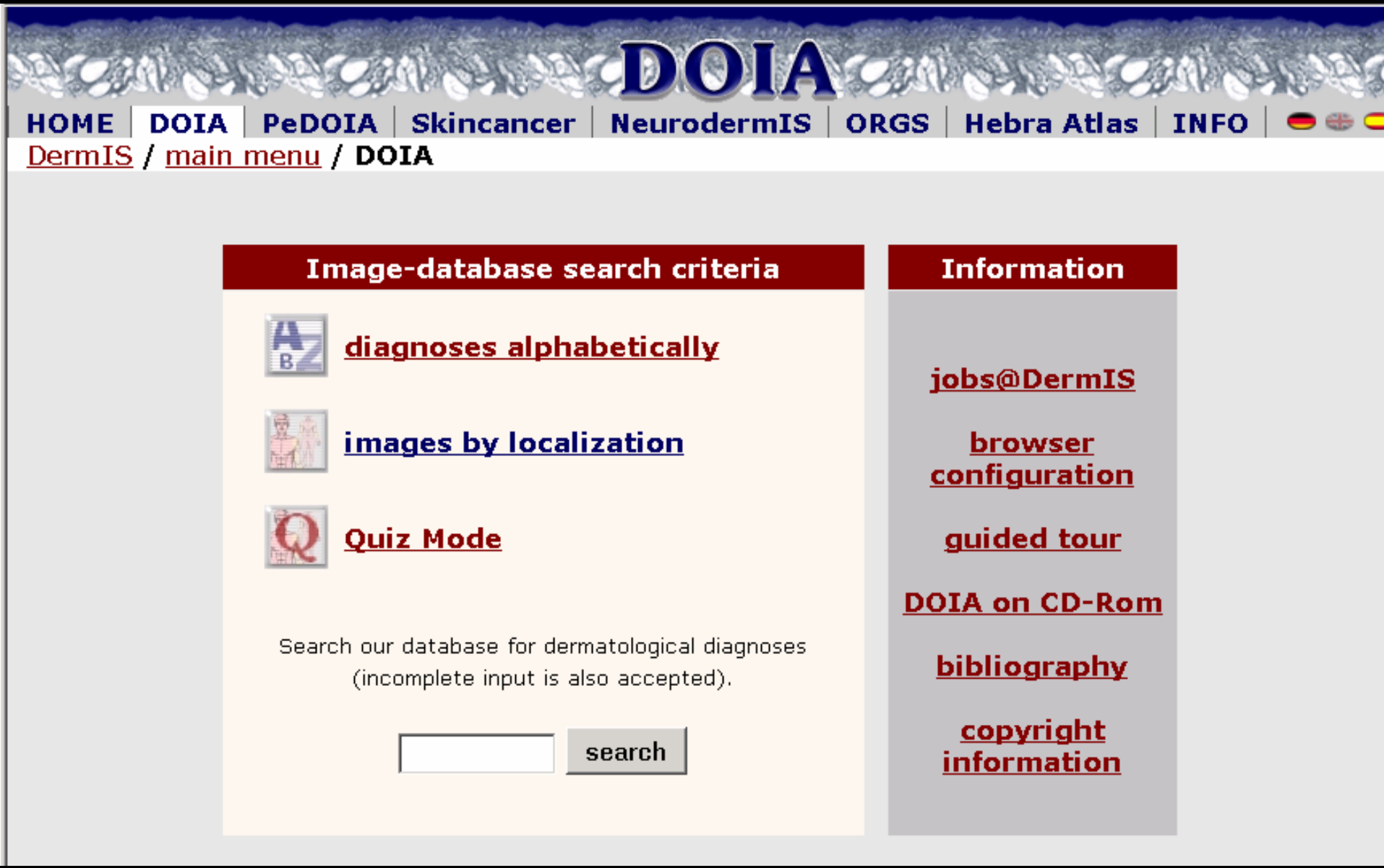


patient age: 11 years, **patient sex:** female

Dermatology on-line image atlas



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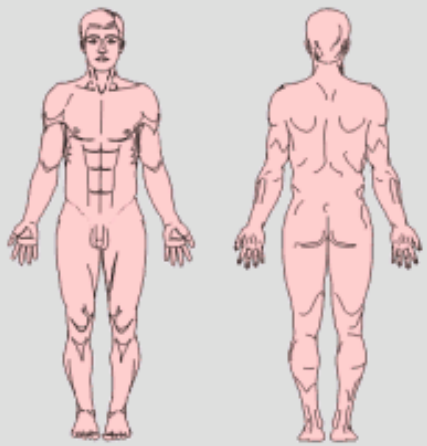

- localization
  - total body view
  - head
  - trunk
  - anogenital region
  - arms
  - hands
  - legs
  - feet

On-Line Atlas of Dermatology - Pictionary

Atlas of Dermatology

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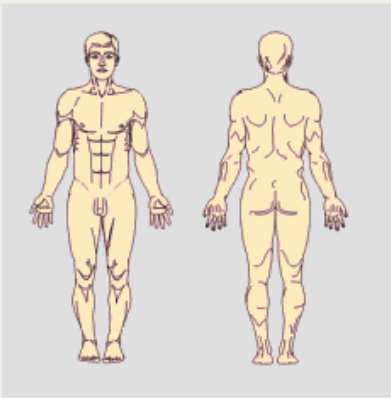
DermIS / main menu / DOIA / localization / **total body view**

sorted by total body view



localization
total body view

images

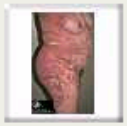

Psoriasis Vulgaris, Chronic Stationary Type


Pityriasis Rubra Pilaris Devergie


Pityriasis Lichenoides et Varioliformis Acuta (Mucha-Habermann)


Dermatitis Solaris


Atrichia Congenita Circumscripta / Diffusa


Drug Eruption

DermIS / main menu / DOIA / localization / total body view - Microsoft Internet Explorer

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Pellagroid Drug Eruption


Hypertrophic Scar


Factitial Dermatitis


Psoriatic Erythroderma


Psoriatic Erythroderma


Pemphigus Seborrhoicus


Pellagroid


Pellagroid


Sweet's Syndrome


Sweet's Syndrome


Sweet's Syndrome


Proteus Syndrome


Mycosis Fungoides


Hypereosinophilic Dermatitis


Allergic Contact Dermatitis, Acute & Chronic


Calcinosis Cutis


Dermatomyositis


Incontinentia Pigmenti


Cutis Laxa


Subcorneal Pustular Dermatosis


Michelin Tyre Baby Syndrome


Michelin Tyre Baby Syndrome


Sezary Syndrome

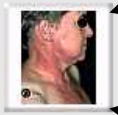

Acrodermatitis Papulosa Eruptiva Infantilis


Epidermolysis Bullosa Simplex

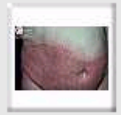

Epidermolysis Bullosa Hereditaria

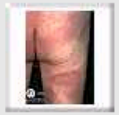

Epidermolysis Bullosa Hereditaria

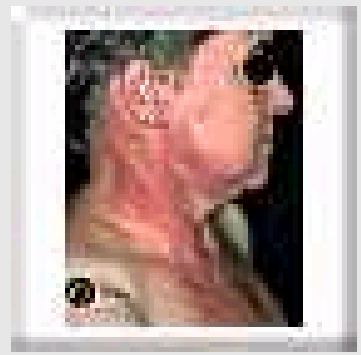

Parakeratosis Variegata


Dermatomyositis


Chronic Lupus Erythematosus


Parakeratosis Variegata


Chronic Lymphocytic Leukaemia (CLL)



Dermatomyositis

Information Systems

DOIA
Dermatology Online Atlas
browse over 4500 images online

PeDOIA
Pediatric Dermatology Atlas
browse over 2000 pediatric images

NeurodermIS
Neurodermitis Information System

Skincancer
What is it all about? How do I prevent it?

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a dermatological historical experience

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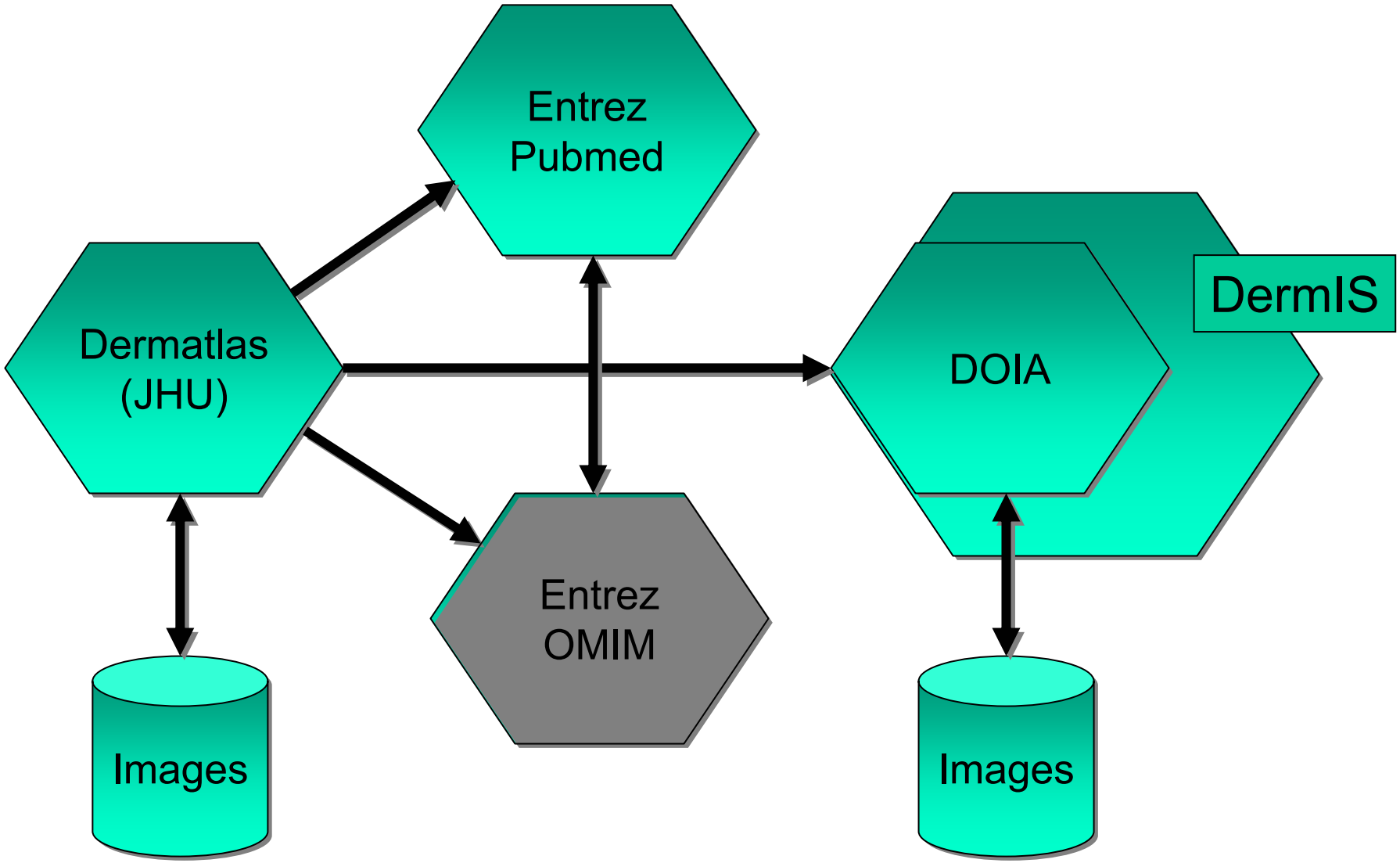
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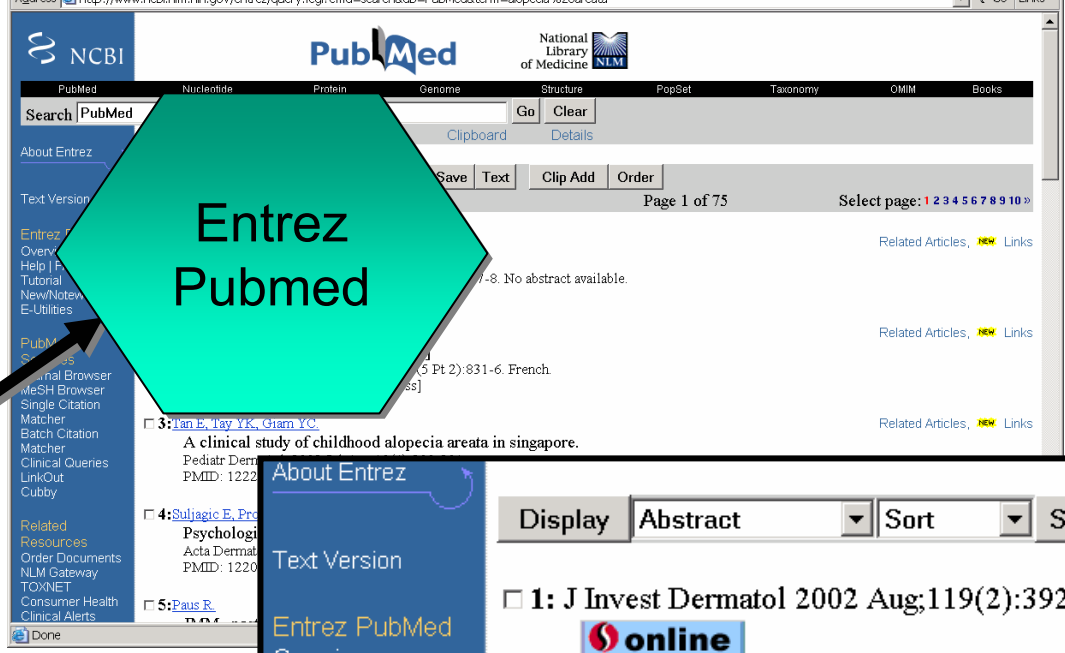
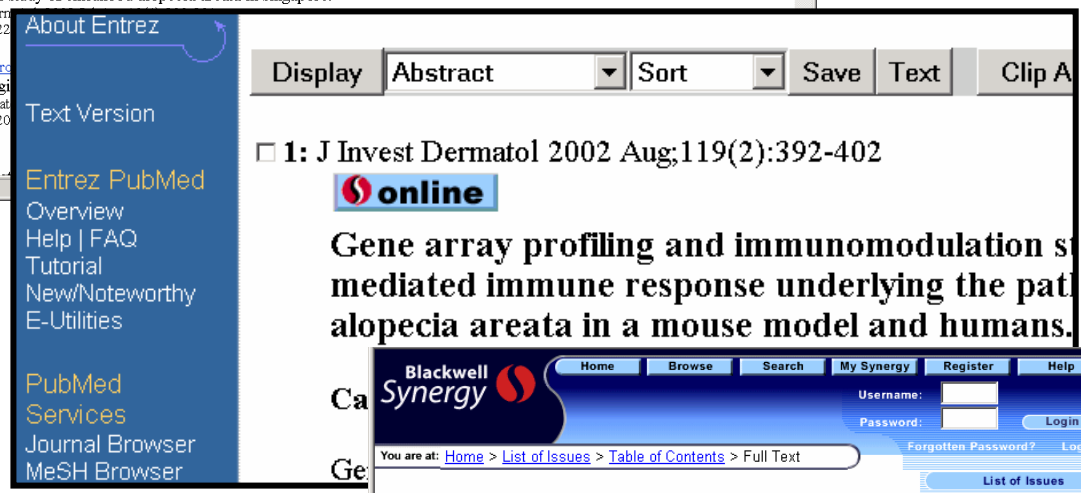
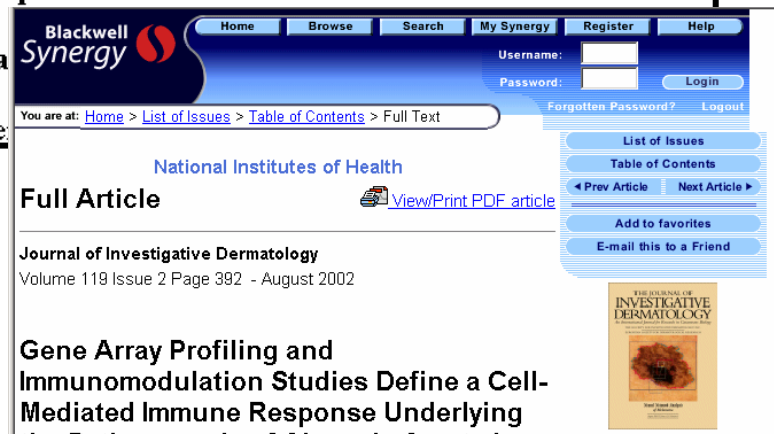
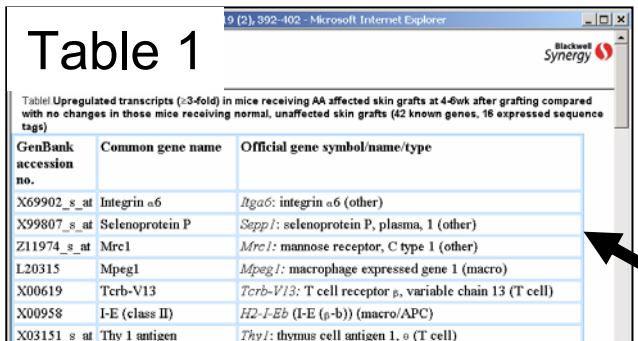
Images

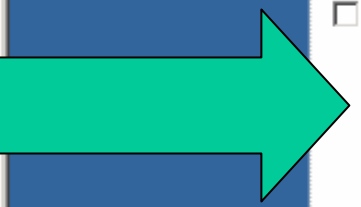








Pubmed search on Alopecia areata



6: Mainardi E, Montanelli A, Dotti M, Nano R, Moscato G. Related Articles, NEW Links

Thyroid-related autoantibodies and celiac disease: a role for a gluten-free diet?

J Clin Gastroenterol. 2002 Sep;35(3):245-8.
PMID: 12192201 [PubMed - in process]

7: Carroll JM, McElwee KJ, E King L, Byrne MC, Sundberg JP. Related Articles, NEW Links

Gene array profiling and immunomodulation studies define a cell-mediated immune response underlying the pathogenesis of alopecia areata in a mouse model and humans.

J Invest Dermatol. 2002 Aug;119(2):392-402.
PMID: 12190862 [PubMed - in process]

8: McElwee KJ, Hoffmann R. Related Articles, NEW Links

Alopecia areata - animal models.

Clin Exp Dermatol. 2002 Jul;27(5):414-21.
PMID: 12190642 [PubMed - in process]

9: McDonagh AJ. Related Articles, NEW Links

Epidemiology and genetics of alopecia areata.

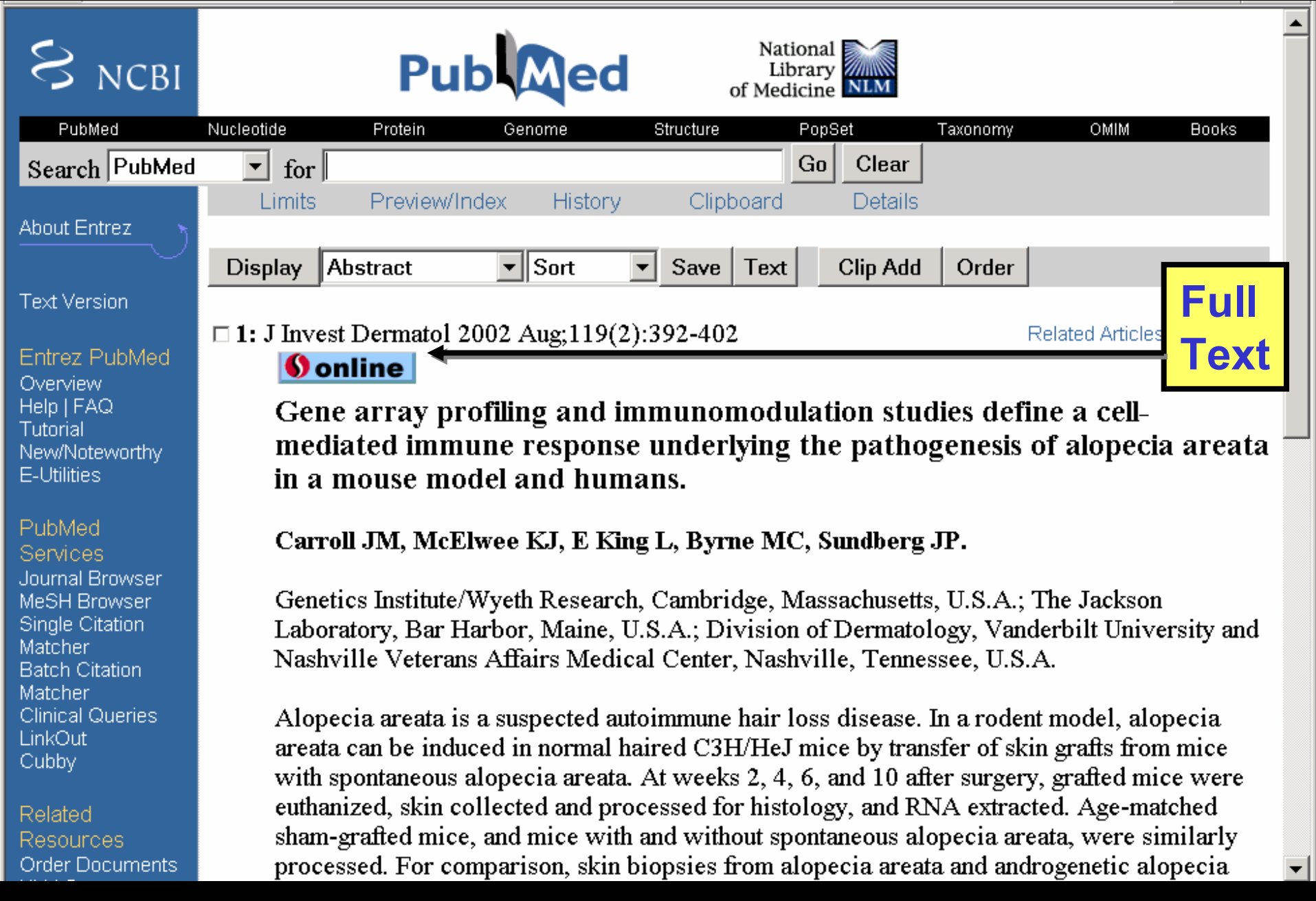
Clin Exp Dermatol. 2002 Jul;27(5):409-13.
PMID: 12190641 [PubMed - in process]

10: Sharquie KE, Al-Rawi JR, Al-Janabi HA. Related Articles, NEW Links

Frictional hair loss in Iraqi patients.

J Dermatol. 2002 Jul;29(7):419-22.

Abstract and link to full text



National Institutes of Health

Full Article

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Journal of Investigative Dermatology

Volume 119 Issue 2 Page 392 - August 2002

Gene Array Profiling and Immunomodulation Studies Define a Cell-Mediated Immune Response Underlying the Pathogenesis of Alopecia Areata in a Mouse Model and Humans

Joseph M. Carroll[1] *Kevin J. McElwee*[*2] *Lloyd E. King Jr, Michael C. Byrne, and John P. Sundberg*[*]

Alopecia areata is a suspected autoimmune hair loss disease. In a rodent model, alopecia areata can be induced in normal haired C3H/HeJ mice by transfer of skin grafts from mice with spontaneous alopecia areata. At weeks 2, 4, 6, and 10 after surgery, grafted mice were euthanized, skin collected and processed for histology, and RNA extracted. Age-matched sham-grafted mice, and mice with

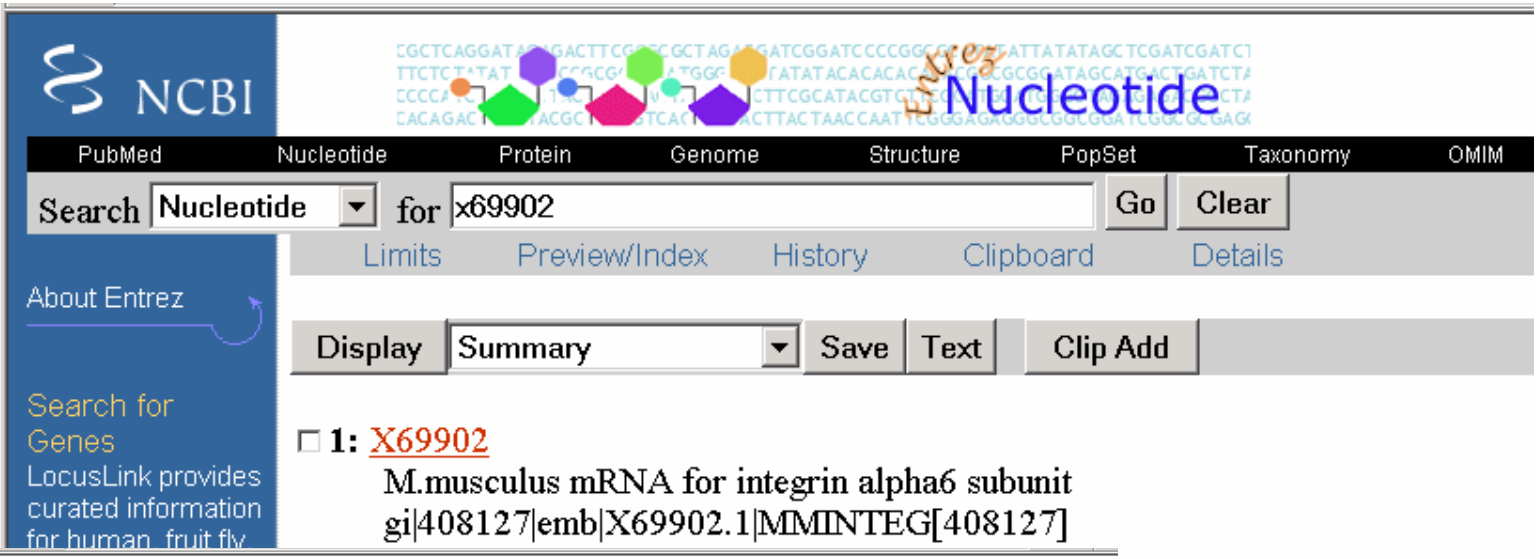
Full Text Version On-line

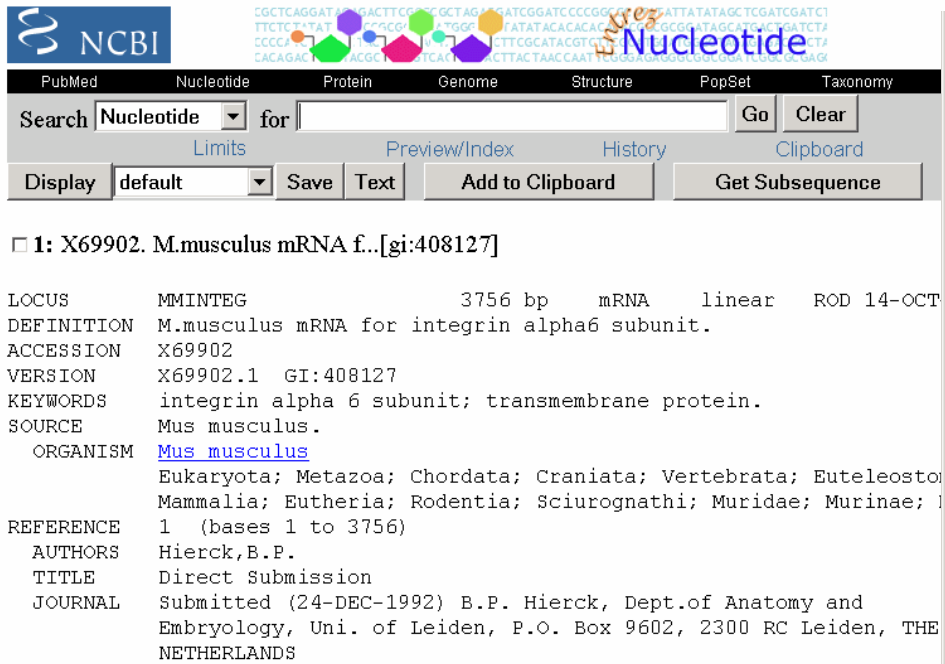
Table 1 – Upregulated transcripts in mice

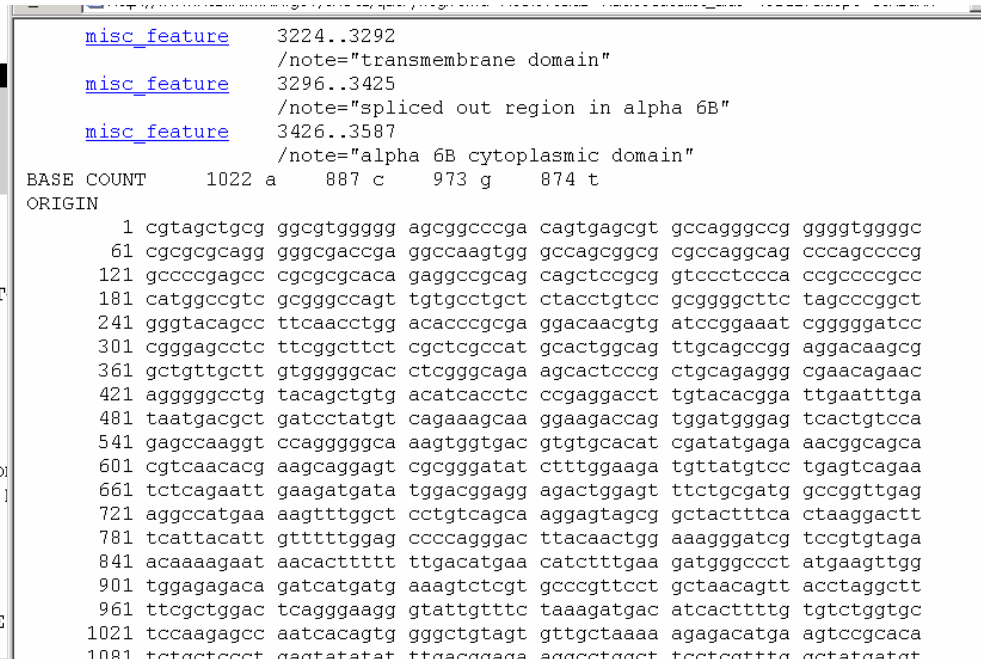
Table1.**Upregulated transcripts (≥3-fold) in mice receiving AA affected skin grafts at 4-6wk after grafting compared with no changes in those mice receiving normal, unaffected skin grafts (42 known genes, 16 expressed sequence tags)**

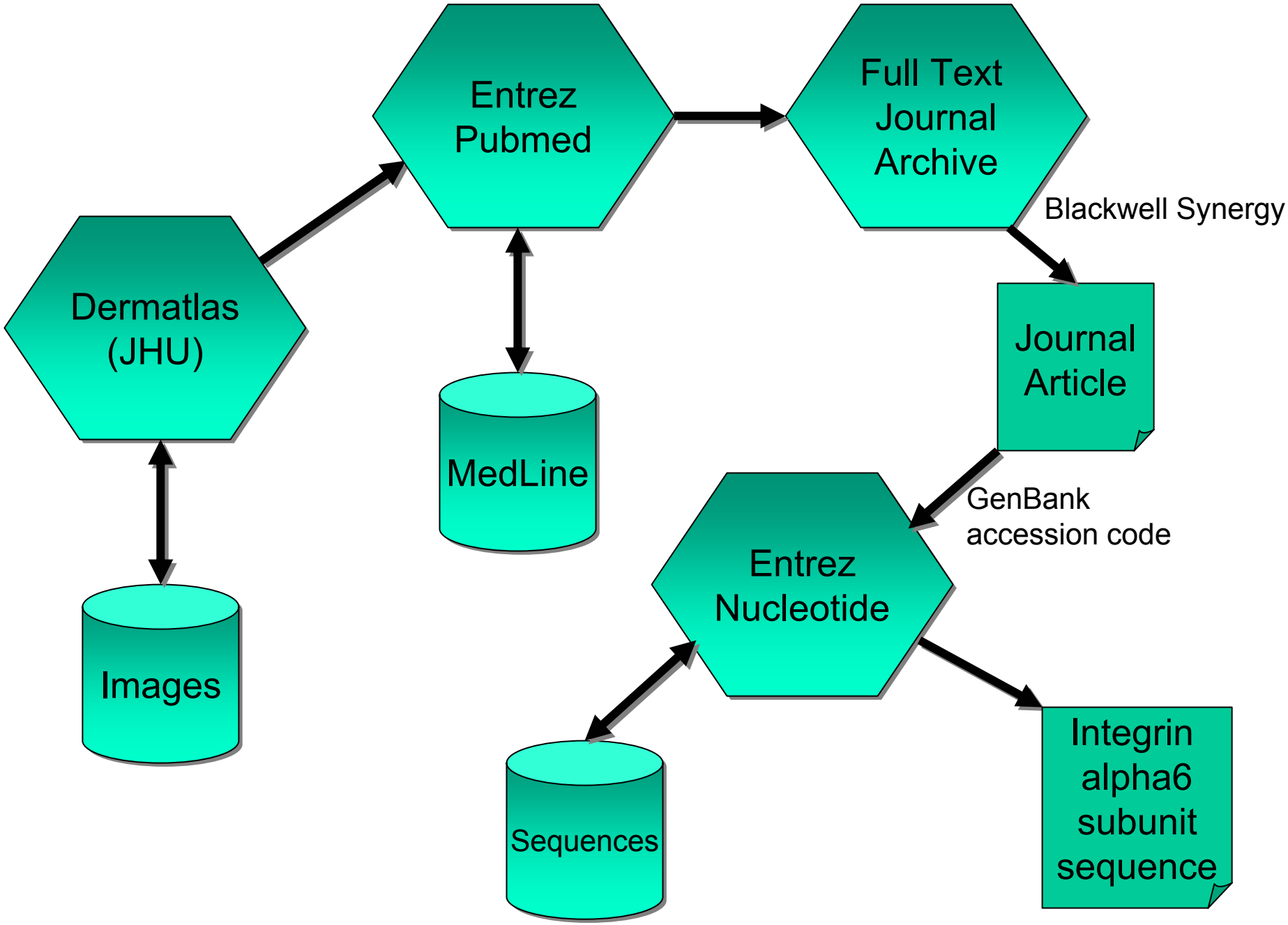
GenBank accession no.	Common gene name	Official gene symbol/name/type
X69902_s_at	Integrin α6	*Itga6*: integrin α6 (other)
X99807_s_at	Selenoprotein P	*Sepp1*: selenoprotein P, plasma, 1 (other)
Z11974_s_at	Mrc1	*Mrc1:* mannose receptor, C type 1 (other)
L20315	Mpeg1	*Mpeg1:* macrophage expressed gene 1 (macro)
X00619	Tcrb-V13	*Tcrb-V13:* T cell receptor β, variable chain 13 (T cell)
X00958	I-E (class II)	*H2-I-Eb* (I-E (β-b)) (macro/APC)
X03151_s_at	Thy 1 antigen	*Thy1*: thymus cell antigen 1, θ (T cell)
X03533_s_at	Tyrosine protein kinase p56-tck	*Lck*: lymphocyte protein tyrosine kinase (T cell)
X04648_s_at	FcR	*Fcgr2b*: Fc receptor, IgG, low-affinity Iib (macro/APC)
X14951_s_at	LFA-1/CD18	*Itgb2*: integrin β2 (cd18) (T cell)

GenBank accession no.	Common gene name	Official gene symbol/name/type
X69902_s_at	Integrin 6	*Itga6*: integrin 6 (other)





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alpha6
subunit
sequence


Phenotype + Genotype

PharmGKB

The Pharmacogenetics and Pharmacogenomics Knowledge Base

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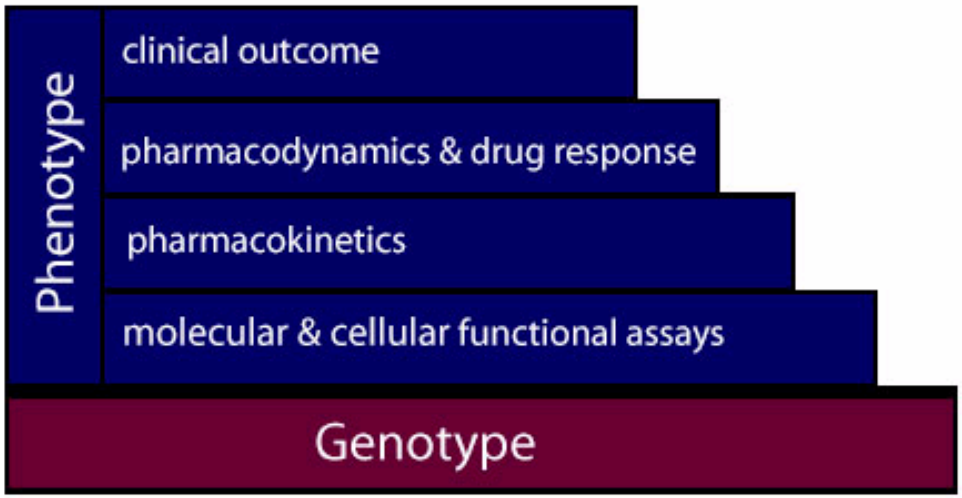
Welcome to PharmGKB!

PharmGKB is an integrated resource about how variation in human genes leads to variation in our response to drugs. Genomic data, molecular and cellular phenotype data, and clinical phenotype data are accepted from the scientific community at large.

Latest News

The PharmGKB Community Project is now open!

Categories of Pharmacogenetic Knowledge



NIGMS, NHLBI, NHGRI, NIEHS, NCI, and NLM within the National Institutes of Health (NIH).

PharmGKB is managed at Stanford University.

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Pharmacokinetics, Pharmacodynamics and Drug Response

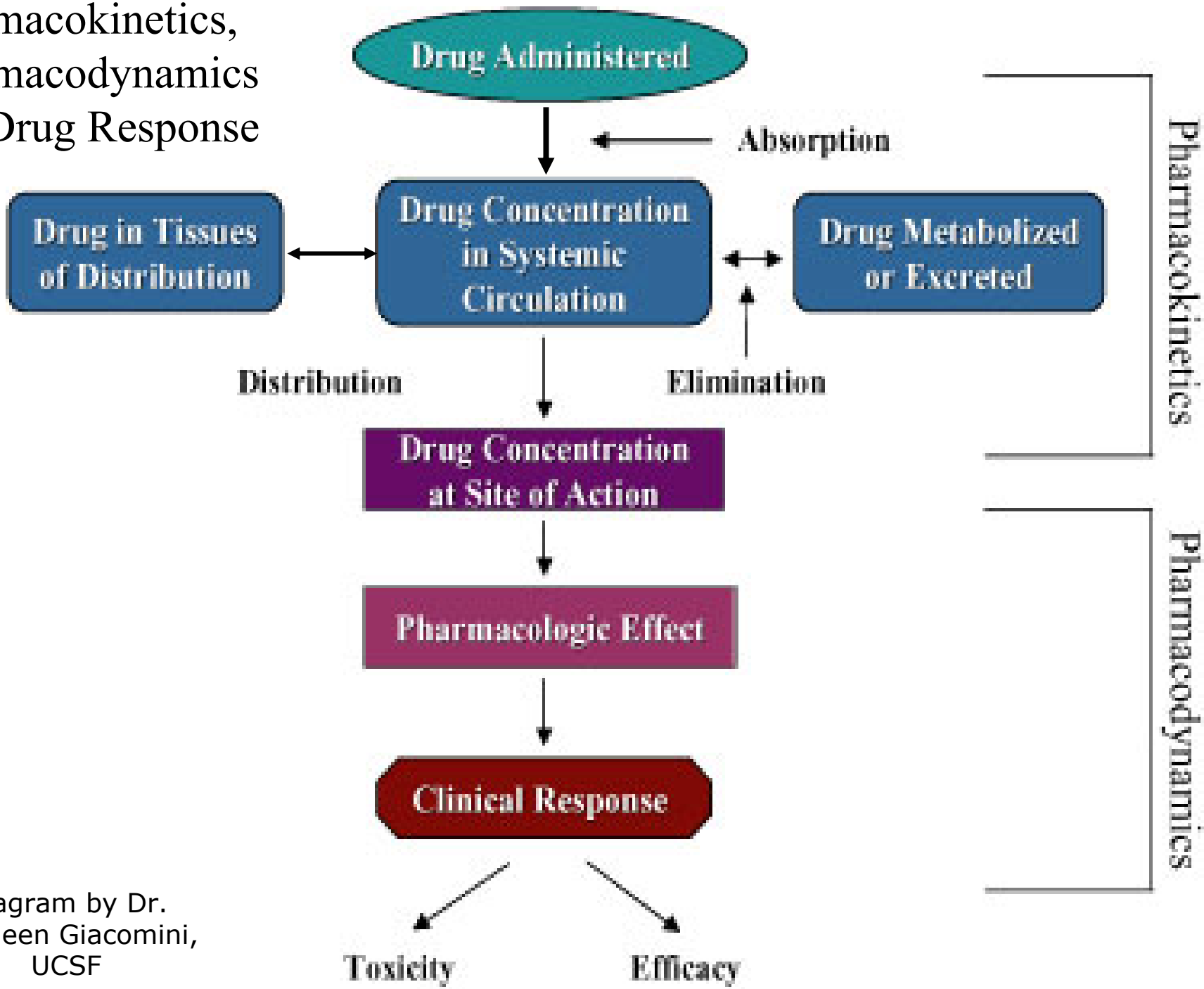
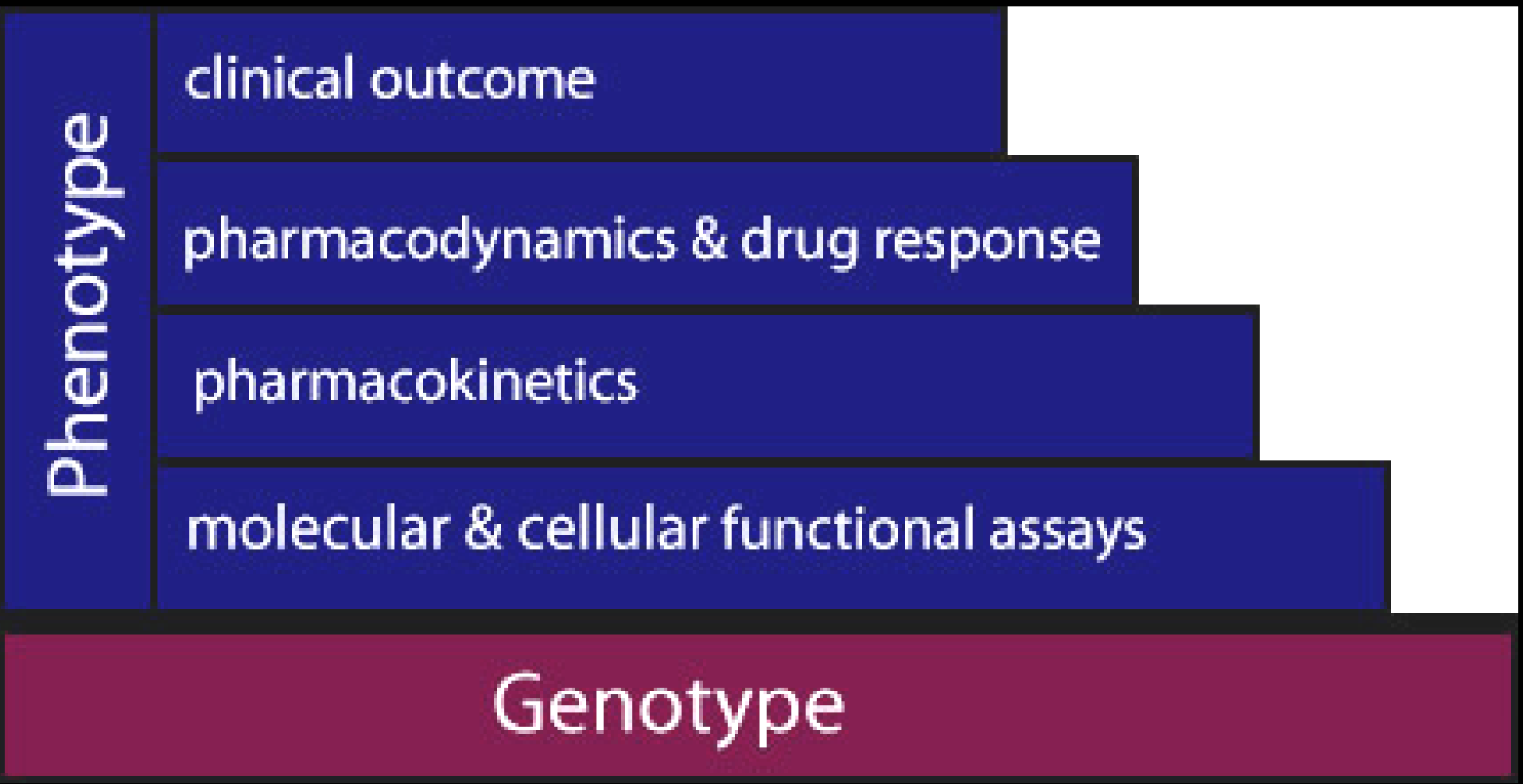


Diagram by Dr. Kathleen Giacomini, UCSF

Pharmacogenetic Knowledge



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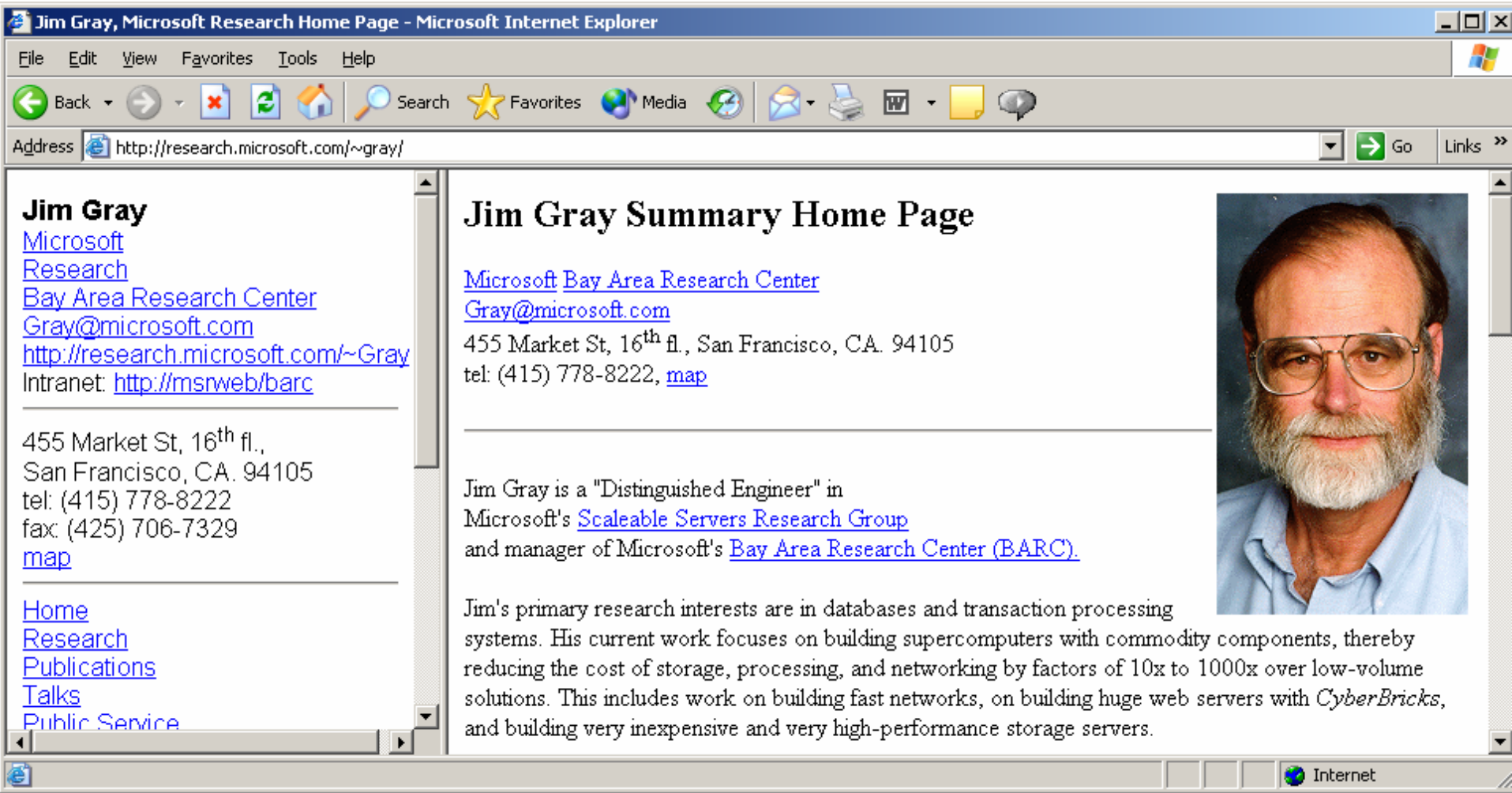

Jim Gray

- Jim's primary research interests are in databases and transaction processing systems. His current work focuses on building supercomputers with commodity components, thereby reducing the cost of storage, processing, and networking by factors of 10x to 1000x over low-volume solutions. This includes work on building fast networks, on building huge web servers with *CyberBricks*, and building very inexpensive and very high-performance storage servers.

- Jim also is working with the astronomy community to build the world-wide telescope. When all the world's astronomy data is on the Internet and is accessible as a single distributed database, the Internet will be the world's best telescope. This is part of the larger agenda of getting all information online and easily accessible (digital libraries, digital government, online science, ...).

Short vita

- Jim Gray is part of Microsoft's research group. His work focuses on databases and transaction processing. Jim is active in the research community, is an ACM, NAE, NAS, and AAAS Fellow, and received the ACM Turing Award for his work on transaction processing. He edits of a series of books on data management, and has been active in building online databases like http://terraService.Net and http://skyserver.sdss.org .